

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/ABD. _____

DATE FILED 12-13-79

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. UTAH 0578A INDIAN _____

DRILLING APPROVED: 12-20-79

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: 4834' GL

DATE ABANDONED: Location ABANDONED WELL NEVER DRILLED 4-2-81

FIELD: Natural Buttes 3/86

UNIT: Natural Buttes

COUNTY: Uintah

WELL NO. Natural Duck 7-15GR

API NO: 43-047-30648

LOCATION 665' FT. FROM ~~XX~~ (S) LINE. 658' FT. FROM (E) ~~XX~~ LINE. SE SE 1/4-1/4 SEC. 15

16

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	20E	15	BELCO PETROLEUM CORP.				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P. O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
658' FEL & 665' FSL (SE SE)
At proposed prod. zone
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 658'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4834' NAT GL.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
13"	9-5/8"	36.0# K-55	200'
7-7/8"	5 1/2"	15.5# K-55	5241'

SURFACE FORMATION: Uinta
EST LOG TOPS: Green River 1829'
Anticipate water throughout the Uinta, expect oil in the Green River @ 1829', 3371', 4074' and 4716'.
CASING DESIGN: New casing as described above. Surface casing will be set with a dry hole digger.
MINIMUM BOP: 10" 3000 psi hydraulic doublegate BOP. Will test to 1000 psi prior to drilling surface plug and on each trip for bit.
MUD PROGRAM: A water based gel-chemical mud weighted to 10.5 ppg will be used to control the well.
AUXILIARY EQUIP: 2" 3000 psi choke manifold and kill line, kelly cock, stabbing valve, and visual mud monitoring.
TEST, LOGS & CORES: No cores or DST's are anticipated. Will run DIL, CNL-FDC-GR w/caliper logs. A fracture treatment of ±15,000 gals ADC & ±15,000# sand is anticipated.
No abnormal problems or pressures are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Operations will commence approx 2/80 and end approx 2/80
SIGNED Megan E. Cope TITLE ENGINEERING CLERK DATE 12/10/79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

No lease stipulations in lease file

in mining

5. LEASE DESIGNATION AND SERIAL NO.
UTAH 0578A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE (SURFACE)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
NATURAL DUCK

9. WELL NO.
7-15 GR

10. FIELD AND POOL, OR WILDCAT
ND - GREEN RIVER

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 15, T9S, R20E

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-0578A ~~Well~~ No. 7-15 GR

1. The location appears potentially valuable for:

- ☐ strip mining*
- ☒ underground mining** *oil shale*
- ☐ has no known potential.

2. The proposed area is

- ☐ under a Federal lease for _____ under the jurisdiction of this office.
- ☒ not under a Federal lease under the jurisdiction of this office.
- ☒ Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed

Allen J. Vance

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

658' FEL & 665' FSL (SE SE)

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

658'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

5241'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4834' NAT GL.

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	9-5/8"	36.0# K-55	200'	200 SX
7-7/8"	5 1/2"	15.5# K-55	5241'	1000 SX

RECEIVED
DEC 13 1979DIVISION OF
OIL, GAS & MINING

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9. No abnormal problems or pressures are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

10. Operations will commence approx 2/80 and end approx 2/80.

SIGNED Megan E. Cope TITLE ENGINEERING CLERK DATE 12/10/79

(This space for Federal or State office use)

PERMIT NO. 43-047-30648 APPROVAL DATE 12/19/79

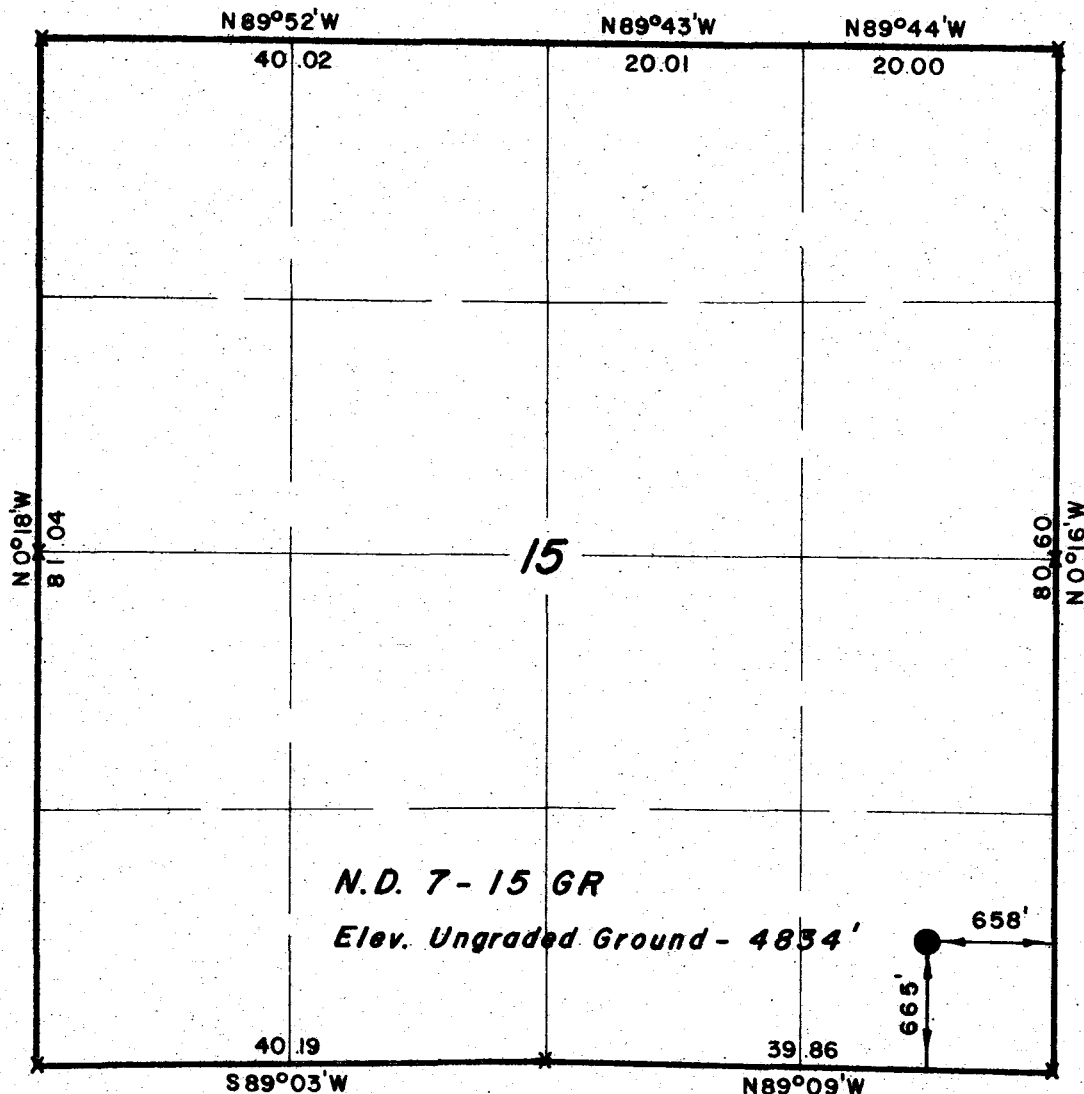
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

T 9 S, R 20 E, S.L.B & M.

PROJECT
BELCO PETROLEUM CORP.

Well location, **N.D. 7 - 15 GR**,
located as shown in the SE 1/4 SE 1/4
Section 15, T9S, R20E, S.L.B & M.
Uintah County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Robert J. Randall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 11 / / 79
PARTY NJM D.D. WJC	REFERENCES GLO PLAT
WEATHER FAIR COOL	FILE BELCO PETROLEUM CORP.

**** FILE NOTATIONS ****

DATE: December 13, 1979

Operator: Belco Petroleum Corporation

Well No: Natural Duck # 7-15GR

Location: Sec. 15 T. 9S R. 20E County: Montah

File Prepared: ☐

Entered on N.I.D.: ☐

Card Indexed: ☐

Completion Sheet: ☐

☒ API Number 43-047-30648

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Bed Unit

Plotted on Map ☒

Approval Letter Written ☒

Blue

Unit approval

*he
PI*

December 20, 1979

Belco Petroleum Corporation
P.O. Box "X"
Vernal, Utah 84078

Re: Well No. Natural Duck #15-15GR, Sec. 15, T. 9S, R. 20E., Uintah County, Utah
Well No. Natural Duck # 6-15GR, Sec. 15, T. 9S, R. 20E., Uintah County, Utah
Well No. Natural Duck # 7-17GR, Sec. 15, T. 9S, R. 20E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #5-15GR, 43-047-30646, #6-15GR - 43-047-30647; #7-15GR - 43-047-30648.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/btm

cc: USGS



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

March 3, 1980

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Belco Petroleum Corp.
P.O. Box 250
Big Piney, Wyoming 83113

RE: See enclosed sheet for wells and
months due.

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

JANICE TABISH
CLERK TYPIST

- (1) Well No. Natural Duck 3-15
Sec. 15, T. 9S, R. 20E.
Uintah County, Utah
January-February 1980
- (2) Well No. Natural Duck 7-15GR
Sec. 15, T. 9S, R. 20E.
Uintah County, Utah
December 1979-February 1980
- (3) Well No. Stagecoach 18-17
Sec. 17, T. 9S, R. 22E.
Uintah County, Utah
January-February 1980
- (4) Well No. Natural Buttes Unit 41-34B
Sec. 34, T. 9S, R. 20E.
Uintah County, Utah
January-February 1980
- (5) Well No. Chapita Wells Unit 43-11
Sec. 11, T. 9S, R. 22E.
Uintah County, Utah
February 1980
- (6) Well No. Natural Buttes Unit 44-25B
Sec. 25, T. 9S, R. 20E.
Uintah County, Utah
December 1979-February 1980
- (7) Well No. Chapita Wells 45-25
Sec. 25, T. 9S, R. 22E.
Uintah County, Utah
January-February 1980
- (8) Well No. Natural Buttes Unit 47-27B
Sec. 27, T. 9S, R. 20E.
Uintah County, Utah
January-February 1980
- (9) Well No. Natural Buttes Unit 48-29B.
Sec. 29, T. 9S, R. 20E.
Uintah County, Utah
January-February 1980
- (10) Well No. Natural Buttes Unit 71-26B
Sec. 26, T. 10S, R. 20E.
Uintah County, Utah
November 1979-February 1980

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTAH 0578A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE (SURFACE)
2. NAME OF OPERATOR BELCO PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. BOX X, VERNAL, UTAH 84078		8. FARM OR LEASE NAME NATURAL DUCK
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 658' FEL & 665' FSL (SE SE) At proposed prod. zone SAME		9. WELL NO. 7-15 GR
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT ND - GREEN RIVER
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 15, T9S, R20E
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH UINTAH
17. NO. OF ACRES ASSIGNED TO THIS WELL		13. STATE UTAH
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS ROTARY
19. PROPOSED DEPTH 5241'		22. APPROX. DATE WORK WILL START* 2/80
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4834' NAT GL.		

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10. Operations will commence approx 2/80 and end approx 2/80.

SIGNED Megan E. Cope TITLE ENGINEERING CLERK DATE 12/10/79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

(Orig. Sgd.) R. A. HenricksAPPROVED BY _____ FOR E. W. GUYNN DATE MAR 26 1980
CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT ENGINEER

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYState of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116
MINING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 0578 A

OPERATOR: Beko

WELL NO. 7-15 GR

LOCATION: $\frac{1}{2}$ SE $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 15, T. 9S, R. 20E, SLM
Uintah County, Utah

1. Stratigraphy: Uintah - surface

Green River - 1830

to TD

2. Fresh Water:

possible to TD

3. Leasable Minerals:

oil shale in Green River, Mahogany zone
at about 2550'

4. Additional Logs Needed:

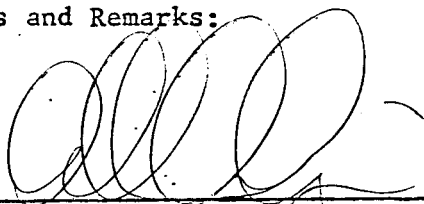
adequate

5. Potential Geologic Hazards:

none expected

6. References and Remarks:

Signature:



Date: 1 - 2 - 80

United States Department of the Interior,
Geological Survey
2000 Administrative Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Lease No. U-0578A Well No. 7-15
Operator Belco Petroleum Corporation
Location 658' FEL & 665' FSL Sec. 15 T. 9S R. 20E
County Uintah State Utah Field Green River
Status: Surface Ownership Indian Minerals Federal
Joint Field Inspection Date January 7, 1980

Participants and Organizations:

Craig Hansen	U.S.G.S.--Vernal
Dale Hanburg	B.I.A.--Ft. Duchesne
Haskell Chapoose	B.I.A.--Ft. Duchesne
Rick Shatz	Belco Petroleum
John Olsen	Pease Construction

Other Agencies or Representatives Concurrence:

1. BIA--Ft. Duchesne, Utah

Related Environmental Analyses and References:

- (1) *Selected References Attached*
- (2)

Analysis Prepared By:

Craig Hansen
Environmental Scientist
Vernal, Utah

Date: January 8, 1980

Technically Complete 12-28-80 Administratively Complete _____

*Pool 180 X 325
Pit 100 X 150
2/10 mi X 32' new access
2 1/10 - X 32' upgrade
2 1/10 ac
W/L for white flume
Stakepile 2" Appraisal*

Proposed Action:

On December 13, 1979, Belco Petroleum Corporation filed an Application for Permit to Drill the No. 7-15 development well, a 5241" oil test of the Wasatch Formation, Cretaceous²¹ Age; located at an elevation of 4834' in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15, T. 9S, R. 20E on Federal Mineral lands and Tribal surface; lease No. U-05784. There was no objection raised to the wellsite or to the access road (see attached map for access road).

The proposed drillsite is approximately 6 miles southeast of Ouray, Utah, the nearest town. A poor road runs to within .2 miles of the location. This well is in the Green River Development field.

The operator proposes to construct a drill pad 180' wide x 325' long and a reserve pit 100' x 150'. A new access road would be constructed 32' wide x .2 miles long and upgrade 32' wide x 2.4 miles access road from an existing and improved road

Approximately 2.5 acres of land would be stripped of vegetation. Water for this drilling operation will be obtained from the White River 5 miles to the north in Sec. 4, T. 9S, R. 20E. All produced water will be handled in accordance with NTL-2B.

All production facilities will be placed on the proposed drill pad. Details of production facilities are described under item #4 on APD.

The drilling operations would begin upon approval and last about 30 days. A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh water sands and other mineral

bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operators NTL-6 10-Point Subsurface Plan is on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City, Utah.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The operator's drilling, cementing, casing, and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey in Salt Lake City, Utah (copy attached).

About 2 " of topsoil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of *controlling surface* (Agency) (Landowner).

Environmental Considerations of the Proposed Action

PARAMETERA. GEOLOGY

Is the Uintah Formation Tertiary in age it consist of weathered lenticular lenses of sand stone and shale, which form relatively flat tops and steep weathered sides.

1. Other Local Mineral Resources to be Protected: oil shale zone in the mahogany zone of the Green River fm about 2550'
Ref: mineral and Evaluation Report USGS mining and mineral Evaluation. Attached.

2. Hazards: no major hazards exist

- a. Land Stability: no major faults or fissures exist.

- b. Subsidence: n/a

- c. Seismicity: Seismic risk for the area is moderate. Ref: Geologic Atlas of the Rocky Mountain Region, Rocky mtn Assoc of Geologists Denver Colo. 1972

- d. High Pressure Zones/Blowout Prevention: 710 Anticipated high pressure zones exist. Ref: operators 12 pt drilling program is adequate.

B. SOILS

1. Soil Character: is a weathered sand and clay mixed by erosion. slopes are approximately 2% soil fertility is very low, 1 to 2" of top soil exist.
2. Erosion/Sedimentation: The soil is subject to runoff from rain fall and has a high runoff potential and sediment and siltation would be high.

- C. AIR QUALITY: The State board of Health reports informs us that the state is classed #II but if the white tribe elects to change to class I they have the right to do so.

- D. NOISE LEVELS: would be moderately high during drilling and completion operations and less after operations cease.

E. WATER RESOURCES

1. Surface Waters: The location drains east by non-perennial drainage to the white River which in turn flows to the Colorado River. The proposed project should have minor impact on water systems.

- b. Ground Waters: Fresh water is possible in the Green River for all fresh water zones would be cased and protected. no major water wells exist in the area and no water well will be drilled for production purposes.

2. Water Qualitya. Surface Waters:

The potential for pollution would be present from leaks and spills. Siltation and sedimentation could increase but would not affect surface water systems.

b. Ground Waters:

All fresh water zones will be cased and protected. The pits would be cased so filtrate would be expected into the ground water system.

F. FLORA AND FAUNA1. Endangered and Threatened Species Determination

Based on the formal comments received from BIA FT Duchesne on 1-14-80, we determine that there would be no effect endangered and threatened species and/or their critical habitat.

2. Flora: Indian Rice, grass, galettagrass, spiny horsebrush, shadscale, haloxylon, tumble weeds, annual weeds and Aster exist on

3. Fauna: Deer, antelope, small rodents, reptiles and small insects exist on location. minor relocation would be anticipated during drilling operations

G. LAND USES:

1. General: The area is used wildlife habitat live stock grazing, and oil and gas production.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

Duration of drilling activities would last about 30 days 3.

2. Affected Floodplains and/or Wetlands:N/AH. AESTHETICS:

Oil and gas operations would enhance and add to the aesthetics of the area.

I. SOCIOECONOMICS:

Significant oil and gas operations exist in the area and is a major source of income to residents of the Basin.

J. CULTURAL RESOURCES DETERMINATION

Based on the formal comments received from BIA Ft. Duchesne on 1-14-80, we determine that there would be no effect on cultural resources subject to oil and gas operations of the area and recommendations of BIA Ft. Duchesne.

K. OTHER:N/AL. ADEQUACY OF RESTORATION PLANS:

Topsoil will be placed to the south of the location to insure its integrity. Drainage ditch on south to reduce erosion of well pad.

We have considered the proposed Belco Petroleum # 7-15
in the preceding pages of this EA and find, based on the analysis of environmental
considerations provided therein, no evidence to indicate that it will
significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination (on separate, last page)

I determine that the proposed action (as modified by the recommended approval
conditions) does not constitute a major Federal action significantly affecting
the quality of the human environment in the sense of NEPA, Section 102(2)(C).

Signature & Title of Approving Official

Date

A working agreement has been reached with the BIA-Ft. Duchesne, the controlling surface (agency)(owner). A written concurrence of the proposed action is attached.

There are/are not any other major Federal or State actions in the proposed area. _____

No other actions by oil companies, private developments, exist on the proposed location although the Green River Oil Development Field surrounds the location.

^{IS IS NOT}
There ~~are~~ are not any special variances issued to the lease.

The proposed location is within the _____ Planning Unit.

7 This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Alternatives to the Proposed Action:

1. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the

environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and BIA supervision with rehabilitation planning reversing almost all effects.

2. The growing scarcity of oil and gas should be taken into consideration when choosing the alternative or proposed plan.

3. Minor relocation of the wellsite and access road or any special restrictive stipulations or modifications to the proposed program could/could not significantly reduce the environmental impact.

4. Drilling will be allowed, provided the following mitigating measures are incorporated into the approved APD and adhered to by the operator:

1. Stipulations of concurrence as submitted by the BIA.

Adverse Environmental Effects:

A. If approved as proposed. Surface disturbance and removal of vegetation from approximately 2.5 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential.

Approximately 2" of topsoil would be removed and stockpiled. Minor relocations of wildlife, notably small rodents and birds in the area would be disturbed. The proposed disturbed areas would not be available for grazing and wildlife habitat.

Some erosion would be anticipated with removal of vegetative cover. Dust and noise levels and exhaust pollutants would increase during construction and drilling phase of the operation and remain somewhat increased if the well was completed and production facilities installed.

Cumulative effects of non-point erosion may become substantial in a developing field, especially those which are located near major

streams where sedimentation is critical to aquatic life cycles.

This action may disrupt social behavior in one of two ways: increase population by revenues from oil development, or cause relocation over an extended period of time.

Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to white would exist through leaks and spills.

If well is a producer, other development wells would be anticipated with substantially greater environmental and economic impacts.

? B. Conditional approval. 1. Topsoil will be placed on south side of location to insure topsoil retention. 2. Drainage ditch to the south side of location to reduce erosion of pad location and surrounding area.

Recommended Approval Conditions:

Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. Topsoil will be placed on south side of location to insure stockpile retention.
2. Construction of a drainage ditch to the south side of the location to reduce erosion of pad location and surrounding area.

Controversial issues and Conservation Division response. No controversial issues were found during the compiling and completion of this EA.

Finding of No Significant Impact:

"We have considered the proposed Belco Petroleum Corporation

No. 7-15 in the preceding pages of this EA and find, based

on the analysis of environmental considerations provided therein,
no evidence to indicate that it will significantly (40 CFR 1508.27) impact
the quality of the human environment."

Determination:

"I determine that the proposed action (as modified by the
recommended approval conditions) does not constitute a major Federal
action significantly affecting the quality of the human environment in
the sense of NEPA, Section 102(2)(C)."

Date

2/12/80

EWS
District Engineer

U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District



Belco #7-15
Looking north.

SELECTED REFERENCES

1. U. S. Department of the Interior/Bureau of Land Management. Ecological Characteristics of Pinyon, Juniper Woodlands on the Colorado Plateau (A literature study by Mark Zarn. T/N 310, 6610, December 1977).
2. U. S. Department of the Interior/Bureau of Land Management. Initial Wilderness Inventory (final August 1979).
3. U. S. Department of the Interior/Bureau of Land Management. Final Three Corners Grazing Management Environmental Statement (June 1979).
4. U. S. Department of the Interior/Bureau of Land Management. Distribution of Mammals, Reptiles, and Amphibians by BLM Physiographic Regions and A. W. Kuchler's Association for the Eleven Western States (T/N 301, 6602, July 1978).
5. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 14, Roughlegged Hawk (T/N 270, 6601, June 1975).
6. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 13, Ferrugionous Hawk (T/N 255, 6601, December 1974).
7. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 8, Prairie Falcon (T/N 240, 6601, February 1974).
8. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 11, Burrowing Owl (T/N 250, 6601, June 1974).
9. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 5, Southern Bald Eagle, Northern Bald Eagle (T/N 171, 6601, March 1973).
10. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 7, Golden Eagle (T/N 239, 6601, December 1973).
11. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 316, Nesting Habitats and Surveying Techniques for Common Western Raptors by Mayo W. Call (T/N 316, 6611, May 1978).
12. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 280, Status of Endangered Species in Colorado (T/N 280, 6840, January 1976).
13. U. S. Department of the Interior/Bureau of Land Management. Technical Note--Report No. 168, Black Footed Ferret (T/N 168, 6601, November 1972).
14. U. S. Department of the Interior/Fish and Wildlife Service. The Plant Information Network Volume II, Reclamation and PIN in Northwestern Colorado (FWS/OBS-77/39, November 1977).
15. U. S. Department of Agriculture/Forest Service. Peregrine Falcon and it's Habitat by Margaret Herman, E. Earl Willard 1978.

16. U. S. Department of Agriculture/Forest Service. Black Footed Ferret and its Habitat by Margaret Herman, E. Earl Willard 1978.
17. Utah State Health Department/Air Quality Bureau in Salt Lake City, Utah. Colorado Air Pollution Control Commission Publications.
18. Original APD to EA
 1. See Reference 10-Point Plan
 2. See Reference 13-Point Plan
19. Geology--Colorado State Map (Ogden Tweto, 1979)

Memorandum

To: USGS District Engineer

From: Surface Managing Agency

Subject: Environmental Analysis, well Belco 7-15 GR
in the NE¹/₄NE¹/₄ Sec. 15, T9S., R20E., SLB&M.

We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information on 1-8-80, we have cleared the proposed location in the following areas of environmental impact:

marked in wrong column.

Yes No X Listed threatened or endangered species

Yes No X Critical wildlife habitat

Yes No X Historical or cultural resources

Yes No X Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)

Yes No Other (if necessary)

Remarks: On air quality the State Board of Health reports informs us that the State is all Classed #II, but if the Ute Tribe elects to change to Class I they can. The Tribe has not made a ruling at this time.
The necessary surface protection and rehabilitation requirements are enclosed.

**See attachments - Threatened & Endangered Species - January 1980.

Enclosure

Sal D. Hamberg 1-14-80

Threatened and Endangered Species
January 1980

A. Plants:

At the present time B.I.A. has no confirmation of Federally listed endangered (E) and threatened (T) Plant species existing on the proposed site for Belco Well #7-15 GR.

B. Fish:

There are endangered species of fish existing in the Green River and the White River located approximately 3 miles to the north. It is our judgment at this time that the proposal to drill and produce Belco Well #7-15 GR will not threaten the existence of these species. Natural drainage waters flow from the well site into water drainage ways which empty into the Whiteriver. Water only flows in these water ways during early spring snow melt and during intensive summer rain storms. There are two possible sources of water pollution which could enter the Whiteriver via the above described water ways from the drilling and production of oil wells:

- (1) Crude oil and oil residues - Because the large majority of oil produced from wells in the Uintah Basin has a high paraffin base it must be retained at a temperature in excess of 120°F. to keep it in a liquid form. Therefore based upon passed experience, if oil was accidentally discharged from a well it would be contained on a small plot of land adjacent to the source because as soon as the temperature fell below the liquid state it would solidify. The characteristics of crude oil in this area to solidify greatly reduces the possibility of water pollution. Therefore it is believed that crude oil and oil residues present only a very slight possibility of contamination to the Whiteriver at a level to threaten the existence of the endangered fish living in the Whiteriver.
- (2) Production water - Most wells produce some water in the oil production process. This water contains concentrations of up to 20,000 PPM of total dissolved solids. This concentration of salts would destroy most aquatic life, especially fish. However, if production water from one well were to enter the Whiteriver it is very unlikely that it would raise the overall concentration of salt enough to threaten the existence of endangered fish. If production water from uncontrolled numbers of wells were discharged into the Whiteriver the danger would increase proportional to the amount of production water entering the water. Also if large quantities of production water were dumped instantaneously it is likely to dangerously threaten fish life. Therefore, the threat to endangered fish species, in both the Whiteriver and Green River, from contamination from production water hinges upon control and management. If production water is managed according to present prescribed federal regulations there is very little possibility that endangered fish species in the White and Green Rivers will be threatened.

C. Birds:

The Bald Eagle and Whopping crane migrate through the Uintah Basin. Often the Bald Eagle is seen at Pelican Lake and in the surrounding area during winter months. The whooping crane migrates from Gray Lake in Idaho, over the Uintah Mountains and into New Mexico. It nests in Gray Lake, and spends the winters in New Mexico. Frequently it rests in its migration in the Uintah Basin. It has been seen near Ouray along the Green River and at Pelican Lake. The two sources of pollution from oil well development are production water and crude oil. It is believed these sources of pollution do not seriously threaten the existence of the Hooping Crane or the Bald Eagle because of the following reasons:

- (1) Crude oil solidifies at temperatures below 120°F. therefore it is very un-likely that it will be absorbed into the feathers of wildlife. Crude oil has been observed floating in the Green and White Rivers. Because of the nature of high paraffin base oil produced in the Uintah Basin it floats in solid lumps and not in the form of a liquid film over the water surface. Therefore it is difficult for Crude oil from Uintah Basin Oil Wells to be absorbed by feathers of water fowl.
- (2) Production water - This source of pollution is explained under topic B-Fish (2) above. If production water increased salt concentrations of river or lake waters to levels that killed fish and etc. It is believed that the flesh of fish killed from production water would not become toxic if eaten by Bald Eagles or the Hooping Crane.

NEGATIVE DECLARATION

APPROVAL BY SECRETARY OF THE INTERIOR OF Application for permit to drill
and Oil Well ~~XX~~

TO Belco Petroleum Corporation, ~~XXXXXXXXXX~~ COVERING THE FOLLOWING
DESCRIBED TRUST INDIAN LANDS IN Uintah COUNTY, STATE OF UTAH.

LEGAL DESCRIPTION:

NE $\frac{1}{4}$ NE $\frac{1}{4}$., Sec. 15, T9S., R20E., SLB&M. This well is located approximately 4 miles
south and 2 miles east of Ouray, Utah.

OWNERSHIP

☒ Surface Owned by the Ute Indian Tribe

☐ Sub-Surface Owned by the Federal Government.

IT HAS BEEN DETERMINED AFTER REVIEW OF THE ACCOMPANYING ENVIRONMENTAL ANALYSIS,
THAT THE APPROVAL OF THIS permit IS NOT SUCH A MAJOR FEDERAL ACTION
SIGNIFICANTLY AFFECTING THE QUALITY OF THE HUMAN ENVIRONMENT AS TO REQUIRE THE
PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT UNDER SECTION 102 (2) (c) OF
THE NATIONAL ENVIRONMENTAL POLICY ACTION OF 1969 (42 U.S.C. § 4332 (2) (c)).

1-14-80
DATE

Henry J. Quirk
Acting SUPERINTENDENT

FY: '80-20

LEASE NO. Utah 0578A
WELL NO. 7-15 GR.

QUINTAH AND OURAY AGENCIES
ENVIRONMENTAL IMPACT ANALYSIS

1. PROPOSED ACTION: Belco Petroleum Corp. proposes to drill an oil well (7-15 GR) to, a proposed depth of 5141 feet; to construct approximately 0 (Xxxx, miles) of new access road; and upgrade approximately 0 (Xxxx, miles) of existing access road.
2. LOCATION AND NATURAL SETTING: The proposed wellsite is located approximately 4 miles South of Ouray, Utah in the NE 1/4, Sec. 15 T. 9S., R. 20E., SLB&M meridian. This area is used for Wildlife habitat and Livestock grazing, and oil field. The topography is rolling hills. The vegetation consist of Indian Rice grass, galletta grass, spiny horse brush, shadscale, hallogeton, tumble weed, annual weeds. Wildlife habitat for: X Deer Antelope Elk Bear X Small Mammals X Birds Endangered species Other Reptiles, wild horses, insects.
3. EFFECTS ON ENVIRONMENT BY PROPOSED ACTION:
 - A. Vegetation will be completely destroyed on approximately 1.8 acres at the well site.
 - B. Halogeton, tumble weed and other annual weeds will invade disturbed areas.
 - C. There will be an increase in traffic to the area.
 - D. Scenic and esthetic values will be effected.
 - E. Air quality will be effected due to exhaust emission and dust from traffic.
4. ALTERNATIVES TO THE PROPOSED ACTION: A. Don't approve the permit.
B. Move the well to another location.
5. ADVERSE EFFECTS THAT CANNOT BE AVOIDED:
If the well is drilled none of the adverse effects listed in Item #3 above can be avoided.
6. DETERMINATION: This request action ~~Xxxxx~~ (does not) constitute a major Federal action significantly affecting the quality of the human environment as to require the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. s 4332 (2)(c)).

REPRESENTATIVE:

John Olsen - Pease Construction
Rick Schatz - Belco
Craig Hansen - USGS
Haskell Chapoose - Ute Tribe

COPY TO:

USGS, P.O. BOX 1037, Vernal, Utah 84078

USGS, Dist. Engr., Cons. Div., 8426 Federal Building., Salt Lake City, Utah 84138

Dale D. Gumbert 1-14-80
BIA Representative Date

Lease #. UTAH 0578A

Well #. 7-15 GR

FROM: : DISTRICT GEOLOGIST, ME SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 0578 A

OPERATOR: Beko WELL NO. 7-15 GR

LOCATION: $\frac{1}{2}$ SE $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 15, T. 9S, R. 20E, SLM
Uintah County, Utah

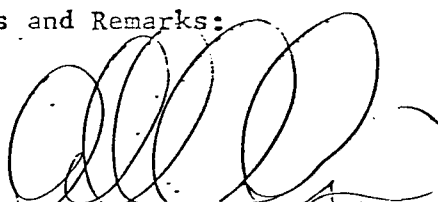
1. Stratigraphy: Uintah - surface
Green River - 1830
to TD

2. Fresh Water: possible to TD

3. Leasable Minerals:
oil shale in Green River, Mahogany zone
at about 2550'

4. Additional Logs Needed:
adequate

5. Potential Geologic Hazards:
none expected

6. References and Remarks:


Signature: _____ Date: 1 - 2 - 80



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

UINTAH AND OURAY AGENCY

Fort Duchesne, Utah 84026

801 722-2406 Ext. #202

IN REPLY REFER TO:

Land Operations, SMC

February 4, 1980

Mr. Craig Hansen
U.S.G.S. Conservation Division
Oil & Gas Operations
1325 West Highway 40
Vernal, Utah 84078

Dear Mr. Hansen:

The following stipulations are required either as part of the surface use plan or as an appendage to the plan of the Utex Oil Company Well #1-26B6.

1. Fire Arms:

Operator

will not

~~A procedure to prevent company employees, including subcontractors, from carrying fire arms or other weapons that may be used to kill game animals.~~

2. Off Road Traffic:

Operator

will be confined

~~A procedure to confine company employees, including subcontractors, to established roads and well sites. The purpose for this is to prevent soil erosion and the harassment of game animals or live-stock with off road traffic, such as snow mobiles, motor cycles, 4-wheel drives, and etc.~~

3. Fire Wood:

Operator

~~A procedure to prevent employees, including subcontractors, other unauthorized people from gathering fire wood along roads constructed by oil companies. It is the policy of the Ute Indian Tribe and the Bureau of Indian Affairs to require wood permits from the Forestry Section of B.I.A. for both Indians and non-Indians harvesting wood from the Uintah and Ouray Reservation.~~

4. Restoration:

will be restored

~~A procedure to restore abandoned well sites, roads, or other disturbed areas to near their original condition after abandoning the well. This procedure should include: (a) stockpiling top soil,~~

(b) establishing original ground contour, (c) reestablishing irrigation systems where applicable, (d) reestablishing top soil to the ground surface on disturbed areas, (e) ~~on irrigated fields~~ *irrigated fields* reestablishing soil conditions in such a way as to insure cultivation and harvesting of crops, (f) ~~a procedure to insure~~ *revegetation* ~~of the disturbed areas to the specifications of the Ute Indian Tribe or the B.I.A. at the time of abandonment.~~

5. Disposal of Production Water:

~~A procedure to dispose of~~ *will be disposed of* ~~production water at approved disposal pits or injection wells. The injection wells or disposal pit used to dispose of production water from a specific well must be identified by legal description.~~

6. Signs:

All roads constructed by ~~oil companies~~ *operators* on the Uintah and Ouray Indian Reservation ~~should~~ *will* have appropriate signs. Signs must be neat and of sound construction. They must state: (a) the land is owned by the Ute Indian Tribe, (b) the name of the ~~oil company~~ *operator* (c) prohibition of fire arms to all non-Ute Tribal members, (d) permits ~~from the Bureau of Indian Affairs~~ *must* be obtained before cutting fire wood or other timber products, ~~and~~ *will* (e) only authorized personnel permitted.

7. Rights of way:

operators (a) It is the policy of the Bureau of Indian Affairs and the Ute Indian Tribe to make right-of-ways available without cost to ~~oil companies~~ *operators* when both mineral rights and surface rights are owned by the Ute Indian Tribe. (a) ~~when~~ *will* the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity ~~it is the policy that~~ *will* the right-of-way be approved and charges be assessed for damages prior to the time the ~~oil company~~ *operator* begins any construction activities. (a) ~~when~~ *will* the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights of-ways must be cleared with the other entity.

8. Permit for Water or Earth Fill

If water or fill materials are needed in constructing roads, well sites, or used in the drilling process, proper permits are needed. ~~Include in the plan:~~ *formation for permits will* (a) the approximate amount of water or materials needed, (b) who owns the rights to the water or materials which are planned to be used, (c) identify the location that water or materials will be obtained, ~~and~~ *state* the approximate time period ~~in which water or materials will be used.~~ *frame*

formation for permits will be location and ownership of the water rights or materials to be used

9. Weeds:

When soils are disturbed and natural vegetation destroyed it is a natural process for annual weeds to invade the site. Often noxious weeds ^{will grow} ~~invade~~, especially along roadways where seeds can be carried from place to place in dust and mud collecting on motorized vehicles. ~~Include in the plan a method for controlling noxious weeds along rights-of-ways for roads, pipelines, well sites or other applicable facilities.~~ ^A list of noxious weeds can be obtained from the appropriate county ^{office}.

*operator will
have a plan
submitted*

10. Litter:

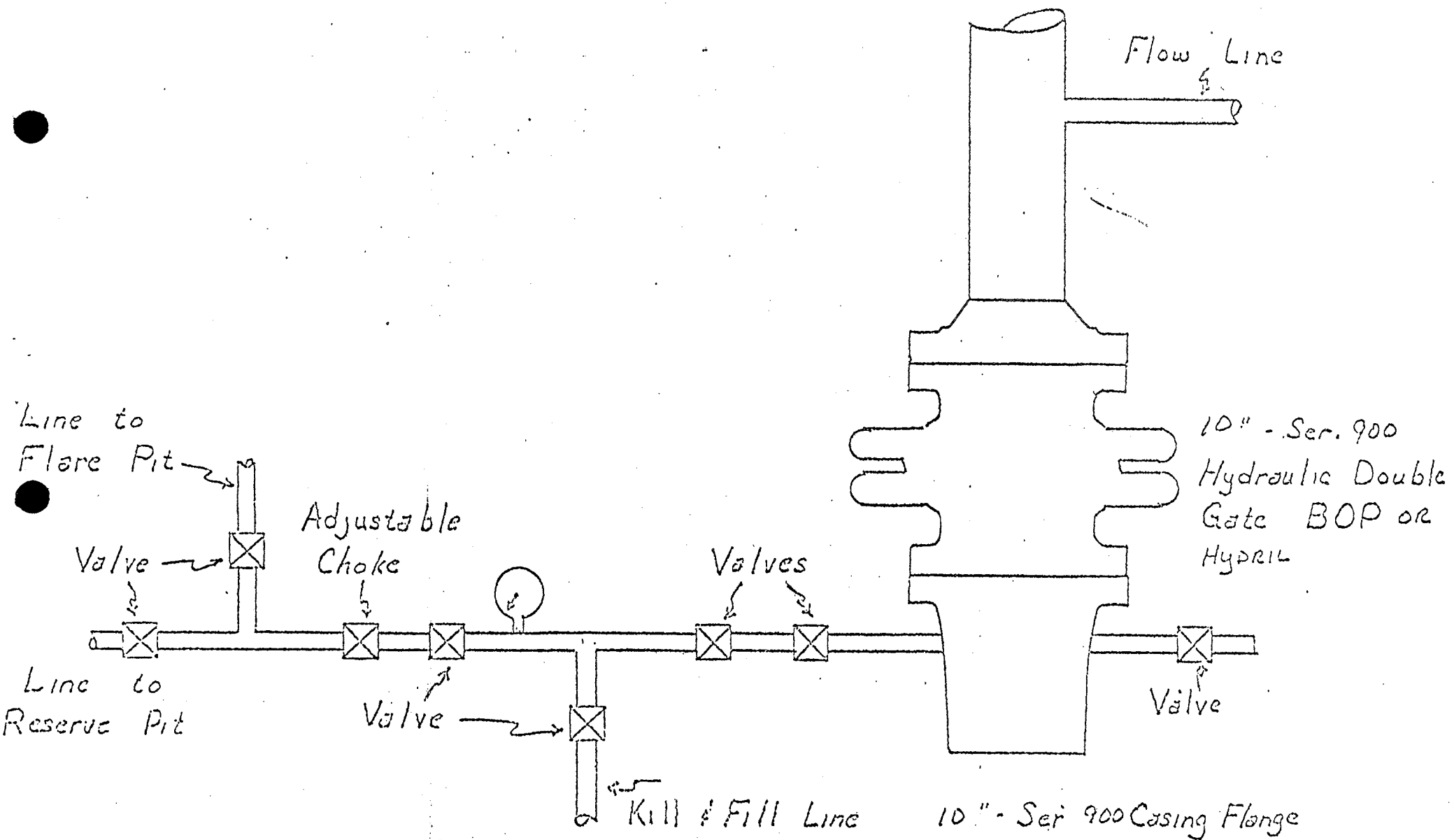
Often Candy wrappers, beverage cans, construction materials, ^{etc.} ~~and~~ ^{etc.} ~~litter~~ roadways, or other sites. ~~Include in the plan a~~ procedure to keep the applicable sites free from litter, and groomed in a neat and professional condition, ^{will be initiated.}

*will not be
littered along*

11. Benchmarks:

A bench mark will be established near each well site in a location where it will not be destroyed. The bench mark will be set in concrete with a brass cap. The brass cap will show the well number and elevation to the nearest one-tenth of a foot. ~~The engineering drawing showing~~ The cuts/fills for the well site will also show elevations in relation to the bench mark.

R.W. Callahan
Superintendent



VERNAL DISTRICT
DAILY DRILLING REPORT
NOVEMBER 30, 1979

DRILLING

WU 45-25

7340'

land Zone

andler & Assoc 1

elco WI 95.7113%

3140' (368') 8. Drlg Green River
Drld 368' in 16 1/2 hrs. Dev @ 2772' 1 1/4°, 2955' 1 3/4°. Trip for bit #4, 6 3/4 hrs.
Bit #3, S88F, 3 15/32, 765' 30 3/4 hrs. T-8, B-8, G-0
Bit #4, 6 1/8", J-33, 3 15/32, 185' 8 1/2 hrs.
PP-1100, WT-20, RPM-53
Mud prop: MW-8.4, VIS-27, Chl-9,500, BG-50, CG-350
No drlg brks
AFE to csg point \$235,000
Cost to date \$134,629

OUTSIDE OPERATED

TENNECO FED 9-8

11-28-79

Depth 6425', footage 113'. Drlg. MW-8.7, VIS-44, WL-4.8

11-29-79

Depth 6450', footage 25'. Run 4 1/2" csg. Circ & 6450'. POH for logs. RU Schlumberger & log. Loggers TD 6437'. TIH, circ. POH. LD DP. PU to run csg. MW-8.7, VIS-44 WL-4.8.

COMPLETION

NBU 41-34B

NL Well Serv

Belco WI 100%

PBTD 7055'

Fluid level @ 3150' after sitting 14 hrs. Ran breakdown from 6262-6264', 6226-6228' & 6212-6214' w/HOWCO as follows: Pumped total 77 BBLS 5% KCL wtr, chl-24,000 in 15 min. Max press-5000, min press-3600, avg press-4000. Max rate-6.1 BPM, min rate-.7 BPM. avg rate-5.7 BPM. Broke @ 3750# @ 3.5 BPM. Dropped 36 balls, 1 ball per BBL. Ball action good, ball off @ .7 BPM @ 5000 PSI. ISIP-1500, 5 min-1400, 10 min-1340, 15 min-1320. Surged well to release balls. Waited 15 min & pumped additional 16.3 BBLS @ 5.4 BPM @ 5000 PSI. Obtained 1 additional break. ISIP-1520, 5 min 1470. RD HOWCO. Well flowed back 120 BBLS in 4 hrs. At end of 4 hrs, well producing very hvy wtr vpr, chl-16,000 @ 734 MCFD. Vent to flat tank for gauge. SDFN. This A.M. well flowed back 50 BBLS fluid, chl-18,000. Light blow gas, not enough to measure.
AFE (completion) \$399,000
Cost to date \$281,757

ND 7-15GR

NL Well Serv

Belco WI 100%

PBTD 5015'

TIH w/bit & csg scraper. Tag solid @ 4918' KB. RU power swivel & drill wiper plug (two) + 47' hard cement. Down 1 jt w/power swivel motor. TD @ dark 4965' KB. Will start drlg again this A.M.
AFE (completion) \$288,000
Cost to date \$237,603

NBU 44-25B

NBU 48-29B

STGU 15-27

WOCU

WOCU

WOCU

RECEIVED

JAN 4 1980

DIVISION OF
OIL, GAS & MINING

VERNAL DISTRICT

MARCH 7, 1980

PAGE NO. 2

NBU 9-32GR

Pumped 3 BO, 10 BW in 24 hrs, 80% WC, TP-30, CP-10, 8 X 64 SPMXL, no gas vented

NBU 28-4B

Flowed 30 MCF in 24 hrs, 48/64 choke, TP-750, CP-750, 625 Back PSI

NBU 54-2B

Flowed 876 MCF in 24 hrs, 10/64 choke, TP-2100, CP-2100, 0 BC, 0 BW

NBU 39-28B

SI TP-700, CP-1000, SI 24 hrs

NBU 47-27B

Open to pit, TP-0, CP-1450, open to pit 192 hrs

NBS 1-32G

SI TP-2130, CP-pkr, SI 72 hrs

NBU 41-34B

SI TP-1100, CP-1640, SI 120 hrs

EGNAR #1

1400 MCF, 0 BC, TP-700, LP-590, 68°

LOCATION STATUS

NBU 48-29B

WOCU

STGU 18-17

WOCU

CWU 43-11

WOCU

CWU 46-30

WOCU

CWU 42-13

Location built, surface set

~~CWU~~ 48-19

Location built

DUCK CREEK 4-17

Location built

8-16GR

Location built

9-16GR

Location built

10-16GR

Location built

11-16GR

Location built

12-9GR

Approved

13-17GR

Approved

14-16GR

Building location

15-16GR

WO USGS approval, NID sent 12-13-79, inspected 2-11-80

16-16GR

Approved

17-16GR

WO USGS approval, NID sent 12-13-79

18-16GR

WO USGS approval, NID sent 12-13-79

19-16GR

WO USGS approval, NID sent 12-13-79, inspected 2-11-80

20-9GR

WO USGS approval, NID sent 12-13-79, inspected 2-12-80

21-9GR

WO USGS approval, NID sent 12-13-79, inspected 2-12-80

NATURAL DUCK 5-15GR

Approved

6-15GR

WO USGS approval, NID sent 12-11-79, inspected 2-11-80

7-15GR

WO USGS approval, NID sent 12-11-79, inspected 1-7-80

8-15GR

WO USGS approval, NID sent 3-4-80

9-15GR

WO USGS approval, NID sent 3-4-80

14-15GR

Approved

STAGECOACH 16-26

Location built

17-25

Approved

19-33

WO USGS approval, NID sent 12-17-79, inspected 2-12-80

20-7

WO USGS approval, NID sent 12-17-79

21-8

WO USGS approval, NID sent 12-17-79, inspected 2-12-80

CWU FED 1-4

WO USGS approval, NID sent 12-17-79, inspected 2-12-80

1-5

WO USGS approval, NID sent 12-17-79, inspected 2-12-80

Belco Petroleum Corporation

Belco

April 18, 1980

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

*Well file: Natural Duck
7-15GR*

Attention: Ms. Janice Tabish

RE: Your letter of March 3, 1980
(Copy attached)

Dear Ms. Tabish,

In response to your above referenced letter, we are enclosing copies of Well Completion Reports for six (6) of the wells, and Sundry Notices for three (3) of the wells. As for the Natural Duck 7-15GR well, which is item number two (2) on your list, this well has been approved but it has not been spudded yet, the location has not been built.

Please excuse the delay in this response as we are in the process of moving the Utah operations for our company from the Big Piney, Wyoming office to the one here in Vernal, Utah.

We hope this answers all questions you have concerning these wells, and we will promptly send you required notices from this office in the future.

Very truly yours,



J. C. Ball
District Engineer

JCB/ln

Attachements

xc: file (4)

October 3, 1980

Belco Petroleum Corporation
P.O. Box X'
Vernal, Utah 84078

RE: Well No. Chapita Well 1-4, Sec. 4, T. 9S, R. 22E, Uintah County.,
RE: Well No. Natural Duck #14-15Gr, Sec. 14, T. 9S, R. 20E, Uintah County.,
RE: Well No. Natural Duck #7-15Gr, Sec. 15, T. 9S, R. 20E, Uintah County.,
RE: Well No. Stagecoach 17-25, Sec. 25, T. 9S, R. 21E, Uintah County.,
RE: Well No. Stagecoach 20-7, SEE. 7, T. 9S, R. 22E, Uintah County.,
RE: Well No. Stagecoach 21-8, Sec. 8, T. 9S, R. 22E, Uintah County.,

Gentlemen:

In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill these wells and action will be taken to terminate the application. If you plan on drilling these locations at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

BARBARA HILL
CLERK TYPIST

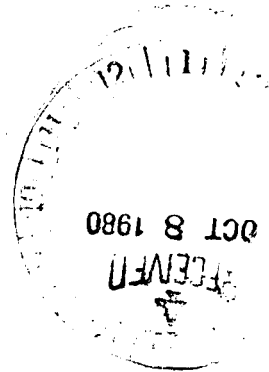
/bjh

Belco Petroleum Corporation

Belco

October 7, 1980

Ms. Barbara Hill
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116



RE: Chapita Wells Federal 1-4
Natural Duck 7-15GR
Natural Duck 14-15GR
Stagecoach 17-25
Stagecoach 20-7
Stagecoach 21-8
Uintah County, Utah

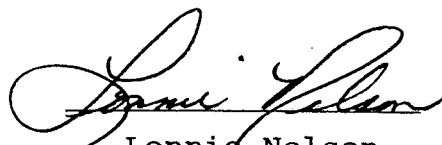
Dear Ms. Hill;

In response to your letter dated October 3, 1980, concerning the subject wells, Belco Petroleum Corporation does intend to drill these wells.

Belco did not receive USGS approval to drill the Stagecoach wells #20-7 and #21-8 until June 6, 1980, six months after we had received State of Utah approval, USGS approval for Chapita Wells Federal 1-4 was received April 9, 1980, and USGS approval to drill Natural Duck 7-15GR was granted March 20, 1980. We would request the State to extend their approval of these wells to these dates also.

We realize that the approved APD's for Natural Duck 14-15GR and for the Stagecoach 17-25 are somewhat older, but Belco does intend to drill them and requests that the approvals not be terminated.

Very truly yours,
BELCO PETROLEUM CORPORATION


Lonnie Nelson
Engineering Clerk

LN/lk

xc: file (7)

Conservation Division
2000 Administration Building
1740 West 100 South
Salt Lake City, Utah 84104

April 2, 1981

Belco Petroleum Corporation
P.O. Box X
Vernal, Utah 84078

Re: Return Application for
Permit to Drill
Well No. 7-15GR
Section 15, T. 9S., R. 20E.
Utah County, Utah
Lease No. U-0578A
Application Approved: March 20, 1980

Gentlemen:

The Application for Permit to Drill the referenced well was approved. Since that time no known activity has transpired at the approved location. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(Orig Sgd.) R. A. Henricks

L. W. Gynn
District Oil & Gas Supervisor

cc: BOM, CR, O&G, Denver
BIA
State Office (O&G)
State Office (BOM)
USGS-Vernal
Well File
APD Control

RAN/TM/cm



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

April 2, 1981

Belco Petroleum Corporation
P.O. Box X
Vernal, Utah 84078

Re: Return Application for
Permit to Drill
Well No. 7-15GB
Section 15, T. 9S., R. 20E.
Uintah County, Utah
Lease No. U-0578A
Application Approved: March 20, 1980

*L.A. - Natural
Duck*

Gentlemen:

The Application for Permit to Drill the referenced well was approved. Since that date no known activity has transpired at the approved location. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. if you intend to drill at this location on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

RA Hennick

E. W. Gynn
District Oil & Gas Supervisor

RECEIVED
APR 03 1981
BELCO CO.
VERNAL, UTAH
DISTRICT